#6

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Ding, Shou-wei

(ii) TITLE OF INVENTION: DISEASE RESISTANT TRANSGENIC PLANTS

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Rothwell, Figg, Ernst & Kurz
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(C) CITY: Washington
(D) STATE: DC
(E) COUNTRY: USA
(F) ZIP: 20004

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US 09/153,241
(B) FILING DATE: 15-SEP-1998
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: WO PCT/SG98/00035
(B) FILING DATE: 12-MAY-1998

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Figg, Edward A.
(B) REGISTRATION NUMBER: 27,195
(C) REFERENCE/DOCKET NUMBER: 2248-108

(ix) TELECOMMUNICATION INFORMATION:
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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 328 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Tomato aspermy virus

(vii) IMMEDIATE SOURCE:
(B) CLONE: pTMV-30B

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ACCGTTAAGA AGAAGAAGAA TGGCAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120

GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA 180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG 240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA 300

TCAATGATTT CCGACCCTTC GTCGTCCG 328

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 328 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "Synthetic DNA"

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Tomato aspermy virus

(vii) IMMEDIATE SOURCE:
(B) CLONE: pTAVd2b1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACCGTTAAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120

GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA 180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG 240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA 300

TCAATGATTT CCGACCCTTC GTCGTCCG 328

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 328 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "Synthetic DNA"

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Tomato aspermy virus

(vii) IMMEDIATE SOURCE:
(B) CLONE: pTAVd2b2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

ACCGTTAAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120

GGAGCGGGGT CACAAAAGTC CAAGTGAATA AAGGTGATCG GAGTTATGGC ACGCGCGTCA 180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG 240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA 300

TCAATGATTT CCGACCCTTC GTCGTCCG 328

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 504 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Cucumber mosaic virus

(vii) IMMEDIATE SOURCE:
(B) CLONE: pCMV2b

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GATCCATGGA TGTGTTGACA GTAGTGGTGT CGACCGCCGA CCTCCACTTA GCCAATTTGC 60

AGGAGGTGAA ACGTCGAAGA CGAAGGTCTC ACGTCAGAAA CCGGCGAGCG AGGGGTTACA 120

AAAGTCCCAG CGAGAGAGCG CGATCTATAG CGAGACTTTT CCAGATGTTA CCATTCCACG 180

GAGTAGATCC CGTGGATTGG TTTCCTGATG TCGTTCGCTC TCCGTCCGTT ACCAGCCTTG 240

TTTCTTATGA ATCTTTTGAT GATACTGATT GGTTTGCTGG TAACGAATGG GCCGAAGGGT 300

CGTTTTGATT TCCGACCCTT CGTCGTCCGA AGACGTTAAA CTACGCTCTC TTTATTGCGA 360

GTGCTGAGTT GGTAGTTTGC TCTAAACTAT CTGAAGTCGC TAAATCCATT ACTGGTTGCG 420

AACGGGTTGT CCATCCAGCT TACGGCTAAA ATGGTCAGTC ATGCCCCAAA GGCATGCCGA 480

CACCCTACAG GGTTGTCGAG GTAC 504